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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
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10/815,668

04/02/2004

Woong-Gil Choi

P-0650

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EXAMINER

NGUYEN, THUAN T

ART UNIT

PAPER NUMBER

2618

MAIL DATE

DELIVERY MODE

07/30/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | | |
|------------------------------|------------------------|--|---------------------|--|
| Office Action Summary | Application No. | | Applicant(s) | |
| | 10/815,668 | | CHOI, WOONG-GIL | |
| | Examiner | | Art Unit | |
| | THUAN T. NGUYEN | | 2618 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

*A person shall be entitled to a patent unless --
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.*

2. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Chaudhuri (U.S. Patent No. 6,856,611 B2).

Regarding claim 1, Chaudhuri teaches “a method for controlling a mobile station in a mobile communication system, comprising: setting a frame counter value of a frame to an initial value when a transmission or a reception is started; and controlling a power signal appliance whenever the frame counter is changed” (Fig. 1, 2 & 7, and col. 17/line 65 to col. 19/line 67 for the entire process of frame counter).

For claim 2, Chaudhuri teaches “wherein the mobile communication system is a TDMA-based system” (col. 1/lines 15-30).

For claim 3, Chaudhuri teaches “wherein the TDMA-based system is one of GSM and GPRS” (col. 1/lines 30-52).

For claim 4, Chaudhuri suggests “wherein the initial value is '0' ” (col. 14/lines 27-51 as the counter is starting from zero).

For claim 5, Chaudhuri teaches “wherein controlling a power signal appliance: setting a delay time for a turn ON time of a predetermined number blocks inside the mobile station; and applying a power ON signal in advance to each block in accordance with the delay time” (col. 13/lines 47-66 for the delay time occurs).

For claim 6, Chaudhuri suggests “wherein the predetermined number of blocks include at least one of a VCXO, a PA, and a transceiver ASIC including a synthesizer and a regulator” (col. 2/lines 30-61 for transceivers & col. 22/lines 51-67 for ASIC).

For claim 7, Chaudhuri suggests “wherein the delay time is obtained by deducting the turn ON time of each block from one frame time” (Fig. 5/at step 530-540 as the frame positions are determined by determining the difference between each starting points of frames).

For claim 8, Chaudhuri inherently suggests “wherein said one frame time is 4.615ms, one TDMA frame time” (col. 16/lines 45-67 as time offset in ns).

For claims 9-16 and 17-25, these claims for “a method for controlling a mobile station in a mobile communication system, comprising: stating a transmission or a reception for a mobile station; setting a frame counter value to an initial value; increasing the frame counter value; and controlling a power signal for a predetermined number of blocks inside the mobile station when the frame counter value changes” and “a system for controlling a mobile station in a mobile communication system, comprising: a frame counter set to an initial value when a transmission or reception is initiated; and a controller which applies a power signal to a predetermined number of blocks of the mobile station when a value of the frame counter changes” with similar features as cited in claims 1-8 are rejected for the reasons given in the scope of claims 1-8 and further in view of Fig. 8, col. 20/line 35 to col. 21/line 49 for hardware components as noted in claims.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Tiedemann et al. (in PTO 892 attached) disclose systems related to power control technique and apparatuses.

4. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to the New Central Fax number:

(571) 273-8300, (for Technology Center 2600 only)

Hand deliveries must be made to Customer Service Window,

Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (571) 272-7895.

The examiner can normally be reached on Monday-Friday from 10:00 AM to 7:00 PM.

Art Unit: 2618

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Tony T. Nguyen', with a stylized flourish at the end.

Tony T. Nguyen
Primary Examiner
Art Unit 2618

TTN
July 18, 2007